

A Cytotoxic

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Dosage	References
(+)-CASSYTHICINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
(+)-CATECHIN	TC50=>100 ug/ml	*
(+)-CATECHIN-7-O-GALLATE	TC50=>100 ug/ml	*
(+)-SYRINGARESINOL	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
(-)-ARCTIGENIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
(-)-ARMEPAVINE-N-OXIDE	ED50(KB)=4.0 ug/ml	*
(-)-EPICATECHIN	TC50=>100 ug/ml	*
(-)-EPICATECHIN-3-O-GALLATE	TC50=>100 ug/ml	*
(-)-EGIGALLOCATECHIN-GALLATE	--	McKenna, D. J., Hughes, K., and Jones, K. 2000. Green Tea Monograph. Alternative Therapies, 6(3): 61-82.
(-)-KURARINONE	--	Kang, T., Jeong, S., Ko, W., Kim, N., Lee, B., Inagaki, M., Miyamoto, T., Higuchi, R., Kim, Y. 2000. Cytotoxic Lavandulyl Flavanones from <i>Sphora flavescens</i> . <i>J. Natural Products</i> , 63(5): 680-681.
(2S)-2'-METHOXYKURARINONE	--	Kang, T., Jeong, S., Ko, W., Kim, N., Lee, B., Inagaki, M., Miyamoto, T., Higuchi, R., Kim, Y. 2000. Cytotoxic Lavandulyl Flavanones from <i>Sphora flavescens</i> . <i>J. Natural Products</i> , 63(5): 680-681.
1-HYDROXY-11-METHOXYCANTHIN-6-ONE	ED50(KB)=2.0 ug/ml	*
1-HYDROXY-5-METHYLANTHRAQUINONE	ED50(KB)=2.5 ug/ml	*
10-EPIEUPATOROXIN	ED50=2.6	*
11,13-DIHYDROVERNOLADIN	0.34	*
11-DEOXOCUCURBITACIN-I	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
11-HYDROXY-1-METHOXYCANTHIN-6-ONE	ED50(KB)=2.0 ug/ml	*
11-HYDROXYCANTHIN-6-ONE	ED50(KB)=1.0 ug/ml	*
12ALPHA-HYDROXYAMOORSTATIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
15-HYDROXY-3-DEHYDRODESOXY-FRUITICIN	--	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
16-ACETYLSTROSPESIDE	0.035 ug/ml	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.
19-O-METHYLANGUSTOLINE	ED50=2.32 ug/ml	*
2'',3''-DIHYDROROBUSTAFLAVONE-7,4'-DIMETHYL-ETHER	--	Lin, L., Kuo, Y., Chou, C. 2000. Cytotoxic Biflavonoids from <i>Selaginella delicatula</i> . <i>J. Natural Products</i> , 63(5): 627-630.
2'-ACETYLNERIIFOLIN	9KB ED50=0.033 ppm	Alkofahi, A., Rupprecht, J. K., Anderson, J. E., McLaughlin, J. L., Mikolajczak, K. L., and Scott, B. A., Search for new pesticides from higher plants, Chap. 3 in ???, Arnason et al, eds, ACS, Washington, 1989
2,5-DIMETHOXY-P-BENZOQUINONE	ED50=1.3-5.2ug/ml	*
2-ALPHA-HYDROXYALANTOLACTONE	--	*
2-HYDROXY-METHYL-ANTHRAQUINONE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
2-N-NOROBAMEGINE	ED50=2.3	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp.
22-HYDROXYTINGENONE	ED50=0.07-0.84 ug/ml	*
28,29-DIHYDROXYFRIEDELAN-3-ONE	ED50=0.64 ug/ml	*

Chemical	Dosage	References
3,3',4-TRI-O-METHYL-ELLAGIC-ACID	ED50(KB)=7.7 ug/ml	*
3,5-DIHYDROXY-4-METHOXYBENZOIC-ACID-METHYL-ESTER	ED50=8.6 ug/ml	Arisawa, M., Hayashi, T., Shimizu, M., Morita, N., Bai, H., Kuze, S., and Ito, Y. Isolation And Cytotoxicity Of Two New Flavonoids From <i>Chrysosplenium grayanum</i> And Related Flavonols. <i>J. Natural Products</i> , 54(3): 898-901, 1991.
3-(3,3-DIMETHYLALLYL)-5-(3-ACETYL-2,4-DIHYDROXY-5-METHYL-6-METHOXYBENZYL)-PHLORACETOPHENONE	--	*
3-ACETOXYNORERYTHROSTACHAMINE	ED50=490 ug/ml	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp.
3-ACETOXYNORERYTHROSUAMINE	ED50=300 ug/ml	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp.
3-ALPHA,17-ALPHA-CINCHOPHYLLINE	IC50=3.55 ug/ml	Vlietinck, A.J. and Dommissie, R.A. eds. 1985. Advances in Medicinal Plant Research. Wiss. Verlag. Stuttgart.
3-ALPHA,17-BETA-CINCHOPHYLLINE	IC50=0.4 ug/ml	Vlietinck, A.J. and Dommissie, R.A. eds. 1985. Advances in Medicinal Plant Research. Wiss. Verlag. Stuttgart.
3-BETA,17-BETA-CINCHOPHYLLINE	IC50=2.24 ug/ml	Vlietinck, A.J. and Dommissie, R.A. eds. 1985. Advances in Medicinal Plant Research. Wiss. Verlag. Stuttgart.
3-BETA-23,28-TRIHYDROXY-12-OLEANENE-23-CAFFEATE	--	*
3-BETA-23,28-TRIHYDROXY-12-OLEANENE-3-BETA-CAFFEATE	--	*
3-O-BENZOYL-URSOLIC-ACID	ED50=6.89 ug/ml	*
3-O-CINNAMOYL-URSOLIC-ACID	ED50=7.24 ug/ml	*
3-O-CROTONYL-URSOLIC-ACID	ED50=2.59 ug/ml	Lin,* C-N., Lu, C-M., Cheng, M-K., Gan, K-H. The Cytotoxic Principles Of <i>Solanum incanum</i> . <i>Journal of Natural Products</i> , 53(2): 513-516, 1990.
3-O-PALMITOYL-URSOLIC-ACID	ED50=3.54 ug/ml	Lin,* C-N., Lu, C-M., Cheng, M-K., Gan, K-H. The Cytotoxic Principles Of <i>Solanum incanum</i> . <i>Journal of Natural Products</i> , 53(2): 513-516, 1990.
3-O-PROPYNYL-URSOLIC-ACID	ED50=2.54 ug/ml	Lin,* C-N., Lu, C-M., Cheng, M-K., Gan, K-H. The Cytotoxic Principles Of <i>Solanum incanum</i> . <i>Journal of Natural Products</i> , 53(2): 513-516, 1990.
3-OXOFRIEDELAN-28-OIC-ACID	ED50=1.18 ug/ml	*
3-OXOFRIEDELAN-29-OIC-ACID	ED50=0.21 ug/ml	*
4'-DEMETHYLDEOXYPODOPHYLLUM	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
4-HYDROXY-25-DESOXYNEOROLLINICIN	HT-29 ED50=1.29 ppm	Rupprecht, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, <i>J. Nat. Prod.</i> , 53(2), 1990, 237-238.
4-HYDROXYBENZOYL-ERYTHRITOL	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
4-METHYLTHIOCANTHIN-6-ONE	--	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp.
5'-DEMETHOXYDEOXYPODOPHYLLUM	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
5,7,4'-HYDROXY-6-METHOXYFLAVONE	--	*
6-ALPHA-HYDROXYMEDICARPIN	100 ug/ml	*
7-HYDROXY-6-HYDROMELODIENOL	ED50=0.25-3.28 ug/ml	*
8-(3,3-DIMETHYLALLYL)SPATHELIACHROMENE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
8-DEOXYLACTUCIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
8-O-ACETYLHARPAGIDE	ED50=>200-425 uM	*
8-PRENYLNARINGENIN	--	*
ABRIN	--	*

Chemical	Dosage	References
ACERATIOSIDE	ED50=9 ug/ml	*
ACETYLCAMPTOTHECIN	--	*
ACETYLSALICYLIC-ACID	0.5-2 mg/ml	*
ACROPTILIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
ACROVESTONE	ED50(KB)=0.5 ug/ml	*
ACTEOSIDE	ED50=2.6 ug/ml	Pettit,* G.R., Numata, A., Takemura, T., Ode, R.H., Narula, A.S., Schmidt, J.M., Cragg, G.M., and Pase, C.P. Antineoplastic Agents, 107. Isolation Of Acteoside And Isoacteoside From <i>Castilleja linariaefolia</i> . <i>J. of Natural Products</i> , 53(2): 456-458, 1990.
ADENOSTEMMOIC-ACID-B	ID50=4.2 ug/ml	*
AESCULETIN	--	Mills, Simon and Bone, Kerry. 2000. <i>Phytotherapy</i> . Churchill Livingston, Edinburgh.
AJOENE	2-50 ug/ml	*
AJUGARIN-I	ED50=>88 uM	*
AKAGERINE	--	*
ALANTOLACTONE	ED50=1.4	*
ALATOLIDE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
ALIZARIN-1-METHYL-ETHER	--	*
ALLAMANDICIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
ALLAMANDIN	ED50=0.2-0.8 ug/ml	*
ALLAMCIN	ED50=0.3-3.1 ug/ml	*
ALLAMDIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
ALOE-EMODIN	20 ppm	*
ALPHA-AMYRIN	50-400	*
ALPHA-PYRONE	ED50=31-75ug/ml	*
AMBROSIN	40-3,500 ppb	*
ANEMONIN	--	Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. <i>Herbal Medicine - A Guide for Health-care Professionals</i> . The Pharmaceutical Press, London. 296pp.
ANGELICIN	--	*
ANGUSTIBALIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
ANNONACIN	9 KB ED50=0.001 ppm	Rupprect, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, <i>J. Nat. Prod.</i> , 53(2), 1990, 237-238.
ANNONACIN-10-ONE	9PS ED50=1 ppt	Rupprect, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, <i>J. Nat. Prod.</i> , 53(2), 1990, 237-238.
ANNONIN-I	--	*
ANNONIN-VI	ED50=0.05 ug/ml	*
ANNOQUINONE-A	--	*
ANONAINE	--	Grenand, P., Moretti, C., and Jacquemin, H. 1987. <i>Pharmacopees Traditionnelles en Guyane. l'ORSTROM</i> , Paris. 569 pp.
ANOPTERINE	ED50{KB}=0.05 ug/ml	*
ANTHRAGALLOL	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
ANTHRALIN	1 ug/mL	*
APIGENIN	IC50=9.5 uM	*
APIGENIN	IC88=10 ug/ml	<i>Planta Medica</i> , 57: A113, 1991.

Chemical	Dosage	References
APIGENIN	1-50 uM	*
ARCTIGENIN	--	*
ARCTOLIDE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
ARICINE	IC50=>100 ug/ml	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.
ARISTOLACTAM-IA	ED50=30-32 ug/ml	*
ARISTOLOCHIC-ACID-I	ED50=22 ug/ml	*
ARMEPAVINE-N-OXIDE	ED50(KB)=4 ug/ml	*
ARNICOLIDE-A	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
AROMATICIN	ED50{KB}=0.3-2 ppm	*
ARTEGLASIN-A	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
ARTEMISININ	IC50=30 uM	*
ARTICULIN-2-ACETATE	--	*
ARTOINDONESIANIN-L	LC50=0.6 ug/ml	*
ARTONIN-E	LC50=0.6 ug/ml	*
ARTONIN-M	LC50=7.9 ug/ml	*
ARTONIN-O	LC50=0.9 ug/ml	*
ASIMICIN	9KB ED50=<0.00001 ppm	Rupprecht, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, <i>J. Nat. Prod.</i> , 53(2), 1990, 237-238.
ASPERILLIN	ED50=1 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
ASPIRIN	0.5-2 mg/ml	*
ASPIRIN (ACETYLSALICYLIC-ACID; NOT NATURAL)	0.5-2 mg/ml	*
ATALAPHILLIDINE	--	*
ATALAPHILLININE	--	*
AUCUBIGENIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
AUSTROBAILIGNAN-1	ED50=0.027 ug/ml	*
AUTUMNOLIDE	ED50=3	*
AZELAIC-ACID	--	*
BACCHARIN	0.1-1 ppb	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
BAILEYIN	ED50=0.5	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
BAKKENOLIDE-A	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
BALIOSPERMIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
BERBAMINE	ED50=>10	*
BERBERASTINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
BERBERINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
BETULIN	8.6 uM	*
BETULIN	600 ppm	*
BETULINIC-ACID	16.4 uM	*

Chemical	Dosage	References
BETULINIC-ACID	50-100 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
BORRERINE	3-6 ug/ml	*
BORREVERINE	3-6 ug/ml	*
BRICKELLIN	ED50=>25 ug/ml	Arisawa, M., Hayashi, T., Shimizu, M., Morita, N., Bai, H., Kuze, S., and Ito, Y. Isolation And Cytotoxicity Of Two New Flavonoids From <i>Chrysosplenium grayanum</i> And Related Flavonols. <i>J. Natural Products</i> , 54(3): 898-901, 1991.
BRUCEANIC-ACID	--	*
BRUCEANIC-ACID-D	--	*
BRUCEANTIN	(KB) IC50=0.015 uM	*
BRUCEANTIN	1 ppb	*
BRUCEINE-A	(KB) IC50=0.188 uM	*
BRUCEINE-B	(KB) IC50=0.115 uM	*
BRUCEINE-C	(KB) IC50=0.037 uM	*
BRUCEINE-D	(KB) IC50=2.82 uM	*
BRUSATOL	IC50=0.196 ug/ml	*
BRUSATOL	IC50=29 nM	*
BUDLEIN-A	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
BUDMUNCHIAMINES	ED50=0.09-11.4 ug/ml	*
BULLATACIN	fempto-ppms	*
BULLATACINONE	9PS ED50=0.00423 ppm	Rupprecht, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, <i>J. Nat. Prod.</i> , 53(2), 1990, 237-238.
BULLATACINONE	9KB ED50=<picoppms	Rupprecht, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, <i>J. Nat. Prod.</i> , 53(2), 1990, 237-238.
BULLATALICIN	9KB ED50=>10 ppm	Rupprecht, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, <i>J. Nat. Prod.</i> , 53(2), 1990, 237-238.
BURSERAN	--	Wagner & Wolff, eds. 1977. New Natural Products (RS164. I56. 176)
BUTYRYL MALLOTOCHROMANOL	2,500 ppb	*
BUTYRYL MALLOTOCHROMENE	3.68 ppm	*
BUTYRYL MALLOTOJAPONIN	362 ppb	*
BUTYRYL MALLOTOLERIN	342 ppb	*
CAFFEIC-ACID	TC50=200 ug/ml	*
CALAXIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
CANAVANINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
CANIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
CANTALASAPONIN-1	--	*
CANTHIN-6-ONE	IC50=1-6 ug/ml	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp.
CAPSICODENDRIN	ED50=2.9	*
CARNOSOLIC-ACID	TC90=0.36 ug/ml	<i>J. Nat. Prod.</i> 56: 1426.
CARPESTEROL	ED50=8.47 ug/ml	*
CASSAINE	ED50=1	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp.
CEPHALOMANNINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Chemical	Dosage	References
CEPHARANOLINE	ED50=>30	*
CHALCONE	IC98=10 ug/ml	Planta Medica, 57: A113, 1991.
CHAMANETIN	5.2 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
CHAMISSONIN	2 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
CHAMISSONIN-DEACETATE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
CHELERYTHRINE	--	*
CHELIDONINE	--	Merck 11th Edition
CHERIMOLINE	9KB ED50=0.000000000006 ppm	Rupprecht, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, J. Nat. Prod, 53(2), 1990, 237-238.
CHLOROHYSSOPIFOLIN-A	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
CHRYSANTHEMIN-A	--	*
CHRYSAROBIN	1 ug/mL	De Smet, P.A.G.M., Keller, K., Hansel, R. and Chandler, R.F., eds. 1993. Adverse Effects of Herbal Drugs 2. Springer-Verlag, Berlin. 348pp.
CHRYSSIN	--	*
CHRYSSIN	>genistein	*
CHYSOSPLENOL-B	ED50=7-8 ug/ml	Arisawa, M., Hayashi, T., Shimizu, M., Morita, N., Bai, H., Kuze, S., and Ito, Y. Isolation And Cytotoxicity Of Two New Flavonoids From Chrysosplenium grayanum And Related Flavonols. J. Natural Products, 54(3): 898-901, 1991.
CHYSOSPLENOL-C	ED50=11.2 ug/ml	Arisawa, M., Hayashi, T., Shimizu, M., Morita, N., Bai, H., Kuze, S., and Ito, Y. Isolation And Cytotoxicity Of Two New Flavonoids From Chrysosplenium grayanum And Related Flavonols. J. Natural Products, 54(3): 898-901, 1991.
CHYSOSPLENOL-D	ED50=14 ug/ml	Arisawa, M., Hayashi, T., Shimizu, M., Morita, N., Bai, H., Kuze, S., and Ito, Y. Isolation And Cytotoxicity Of Two New Flavonoids From Chrysosplenium grayanum And Related Flavonols. J. Natural Products, 54(3): 898-901, 1991.
CHYSOSPLENOL-E	ED50=>25 ug/ml	Arisawa, M., Hayashi, T., Shimizu, M., Morita, N., Bai, H., Kuze, S., and Ito, Y. Isolation And Cytotoxicity Of Two New Flavonoids From Chrysosplenium grayanum And Related Flavonols. J. Natural Products, 54(3): 898-901, 1991.
CHYSOSPLENOL-F	ED50=>25 ug/ml	Arisawa, M., Hayashi, T., Shimizu, M., Morita, N., Bai, H., Kuze, S., and Ito, Y. Isolation And Cytotoxicity Of Two New Flavonoids From Chrysosplenium grayanum And Related Flavonols. J. Natural Products, 54(3): 898-901, 1991.
CHYSOSPLENOL-G	ED50=8.6 ug/ml	Arisawa, M., Hayashi, T., Shimizu, M., Morita, N., Bai, H., Kuze, S., and Ito, Y. Isolation And Cytotoxicity Of Two New Flavonoids From Chrysosplenium grayanum And Related Flavonols. J. Natural Products, 54(3): 898-901, 1991.
CINCHOPHYLLINE	--	Wealth of India.
CINNAMALDEHYDE	ED50=5-60 ug/ml	*
CINNAMODIAL	2.2 ppm	*
CINNAMOLIDE	--	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp.
CINNAMOSMOLIDE	1-2 ppm	*
CITPRESSINE-I	--	*
CITRAL	--	*
CLEOMISCOSIN-A	0.4 ug/ml	Advance in Chinese Medicinal Materials Research. 1985. Eds. H. M. Chang, H. W. Yeung, W. -W. Tso and A. Koo. World Scientific Publishing Co., Philadelphia Pa., page 359.
CNICIN	--	Wagner & Wolff, eds. 1977. New Natural Products (RS164. I56. 176)
COCLAURINE	--	*
COLCHICINE	IC50=0.018 uM	*
CORONARIDINE	--	*

Chemical	Dosage	References
CORONOPILIN	ED50=1.4	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
COROSSOLIN	--	*
COROSSOLONE	--	*
COSTULONIDE	0.26 ppm	*
CRYPTOLEPINE	1 ug/mL	*
CRYPTOPLEURINE	--	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp.
CRYPTOWOLLINE	0.14 ppm	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp.
CUCURBITACIN	--	*
CUCURBITACIN-A	1.4 ppb	*
CUCURBITACIN-B	2.5 ppt	*
CUCURBITACIN-C	1 ppb	*
CUCURBITACIN-D	5-10 ppb	*
CUCURBITACIN-E	0.45 ppt	*
CUCURBITACIN-F	ED50=0.04-0.074 ug/ml	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp.
CUCURBITACIN-F	ED50=3-5 ug/ml	*
CUCURBITACIN-I	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
CUCURBITACIN-O	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
CUCURBITACIN-P	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
CUCURBITACIN-Q	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
CUCURBITACIN-TH-I	100-700 ppb	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
CULARICINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
CULARIDINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
CULARINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
CURCUMIN	IC50=25 uM	*
CURCUMIN	IC50=1 ug/ml	*
CURCUMIN	0.4-4 mg/ml	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
CURCUMINOIDS	--	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft mbH Stuttgart. 393 pp.
CYCLAMIN	3-60 ppm	*
CYCLEANINE	12 ppm	*
CYNAROPICRIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
DAMSIN	0.058 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
DAPHNETICIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
DATISCACIN	--	*
DAURICINE	10 ppm	*
DEACETYLEUPASERRIN	ED50=0.29	Biosyn. Prod. Cancer Chemotherapy (Petit et al)

Chemical	Dosage	References
DEGUELIN	--	*
DEHYDROAILANTHINONE	--	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
DEHYDROAILANTHION	--	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
DEHYDROFALCARINDIOL	2.1-10 mg/kg	*
DEOXYELEPHANTOPIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
DEOXYPODOPHYLLOTOXIN	4-400 ppm	Wagner & Wolff, eds. 1977. New Natural Products (RS164. I56. 176)
DESACETOXYMATICARIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
DESACETYLEUPASSERIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
DESGLUCOMUSENNIN	1-60 ppm	*
DESTIGLOYLANOPTERINE	ED50=1 ug/ml	*
DI-P-COUMAROYL-METHANE	--	Chemical Constituents of Oriental Herbs (3 diff. books)
DICHAMANETIN	ED50=1.2	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
DIFERULOYL-METHANE	--	Chemical Constituents of Oriental Herbs (3 diff. books)
DIGIFERRUGINEOL	EC50=5.9 ug/ml	*
DIGIFERRUGINEOL	ED50(KB)=0.09 ug/ml	*
DIHYDROCHERIMOLINE	9KB ED50=0.00000002 ppm	Rupprecht, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, <i>J. Nat. Prod.</i> , 53(2), 1990, 237-238.
DIHYDROGEDUNIN	ED50=15.53 ug/ml	*
DIHYDROPANAXACOL	--	*
DIHYDROVALTRATE	--	*
DIOSPYRIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
DIPHYLLIN	ED50=< 1ug/ml	*
DIUVARETIN	ED50=20	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
DRUMMONDINS	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
EDULEINE	--	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp.
ELABUNIN	ED50=1 ug/ml	*
ELEGANIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
ELEPHANTIN	0.28-100 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
ELEPHANTOPIN	0.3-100 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
ELLAGIC-ACID	4.6 ug/ml	Advance in Chinese Medicinal Materials Research. 1985. Eds. H. M. Chang, H. W. Yeung, W.-W. Tso and A. Koo. World Scientific Publishing Co., Philadelphia Pa., page 359.
EMARGINATINE-A	--	*
EMARGINATINE-B	ED50=0.4 ug/ml	*
EMETINE	IC50=0.02 ug/ml	Vlietinck, A.J. and Dommissie, R.A. eds. 1985. Advances in Medicinal Plant Research. Wiss. Verlag. Stuttgart.
EMODIN	CD50=2.6 ug/ml	*
EMODIN-BIANTHRONE	CD50=1.1 ug/ml	*
ENCELIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Chemical	Dosage	References
ENT-11-ALPHA-HYDROXY-15-OXO-KAUR-16-EN-19-OIC-ACID	ID50=2.8 ug/ml	*
EPIPOLYGODIAL	--	*
EPISTEPHANINE	14 ppm	*
EREMANTHOLIDE-A	2 ppm	*
ERIOFLORIN	--	*
ERIOFLORIN-ACETATE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
ERIOFLORIN-METHACRYLATE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
ERIOLANGIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
ERIOLANIN	--	*
ERYSOLIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
ESCULETIN	--	Mills, Simon and Bone, Kerry. 2000. Phytotherapy. Churchill Livingston, Edinburgh.
ETOPOSIDE	--	*
EUGENOL	25 ug/ml	Phytotherapy Research, 4: 93.
EUPACHLORIN	ED50=0.21	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
EUPACHLORIN-ACETATE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
EUPACHLOROXIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
EUPACUNIN	ED50=2.1	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
EUPACUNOLIN	ED50=3.7	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
EUPACUNOXIN	ED50=2.1	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
EUPAFORMOLOCTONE	--	*
EUPAFORMONIN	--	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
EUPAFORMOSANIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
EUPAHYSSOPIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
EUPARHOMBIN	--	*
EUPAROTIN	ED50=0.21	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
EUPAROTIN-ACETATE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
EUPASERRIN	ED50=0.23	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
EUPATOCUNIN	ED50=0.11-60	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
EUPATOCUNOXIN	ED50=1.7	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
EUPATOLIDE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
EUPATORIN	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
EUPATORIOPICRIN	ED=1-2	*
EUPATOROXIN	ED50=2.8	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
EUPATUNDIN	0.39 ppm	*
FALCARINDIOL	--	*

Chemical	Dosage	References
FALCARINOL	0.22-3.8 mg/kg	*
FANGCHINOLINE	4 ppm	*
FARINOSIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
FASTIGILIN-B	--	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
FASTIGILIN-BC	--	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
FASTIGILIN-C	4-3,120 ppb	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
FERULOYL-P-COUMAROYL-METHANE	--	Chemical Constituents of Oriental Herbs (3 diff. books)
FLAVONE	IC68=100 ug/ml	Planta Medica, 57: A113, 1991.
FLORILENALIN	ED50=1	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
FLOSSONOL	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
FULVOPLUMIERIN	ED50=0.7-3.4 ug/ml	*
GABUNAMINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
GABUNINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
GAILLARDILIN	2.2 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
GAILLARDIN	0.8 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
GALLIC-ACID	500 uM	*
GEDUNIN	ED50=275.1 ug/ml	*
GENISTEIN	IC89=10 ug/ml	Planta Medica, 57: A113, 1991.
GENISTEIN	>50 ug/ml (185 uM)	Medline (post 1990 searches filed in my computer)
GIGANTECIN	9KB ED50=<10 microppm	Rupprecht, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, J. Nat. Prod, 53(2), 1990, 237-238.
GITOGENIN-GALACTOSIDE	65 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
GLABRIDIN	--	*
GNIDICIN	--	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
GNIDIDIN	--	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
GNIDILATIDIN-20-PALMITATE	1-5 ppb	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
GNIDILATIN	20-80 ppb	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
GNIDILATIN-20-PALMITATE	1-5 ppb	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
GNIDIMACRIN	12-66 ppb	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
GNIDIMACRIN-20-PALMITATE	30-50 ppb	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
GNIDITRIN	--	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
GONIODIOL-8-MONOACETATE	ED50=1.7-4.8 ug/ml	*
GONIOTHALAMICIN	9KB ED50=<0.01 ppm	Rupprecht, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, J. Nat. Prod, 53(2), 1990, 237-238.
GONIOTHALENOL	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
GOSSYPOL	25 uM	*
GRAMINILIATRIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
GROSSHEMIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
GUATTEGAUMERINE	10 ug/ml	*

Chemical	Dosage	References
GUTTIFERONE-A	>50 ug/ml	*
GUTTIFERONE-B	>50 ug/ml	*
GUTTIFERONE-C	>50 ug/ml	*
GUTTIFERONE-D	>50 ug/ml	*
GUTTIFERONE-E	>50 ug/ml	*
HARMALINE	--	*
HARMALOL	--	*
HARMAN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
HARMANE	--	*
HARMINE	--	*
HARRISONIN	--	J. Nat. Prod.
HELENALIN	ED50=0.1 ug/ml	*
HELENIAMARIN	--	*
HINOKIFLAVONE	ED50(KB)=2 ug/ml	*
HIPPOCRATEIN-I	ED50=1.85 ug/ml	*
HIYODORILACTONE-A	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
HODGKINSINE-A	8 uM	*
HOLACANTHONE	--	*
HOMOISOMELODIENONE	ED50=4.26-36.32 ug/ml	*
HUAJIAOSIMULINE	ED50=6-29 uM	*
HYDROQUINONE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
HYDROXYISOPATCHOULENONE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
HYMENOFLOLIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
HYPERICIN	CD50=1.2ug/ml	*
HYRCANOSIDE	0.1-1.3 ppm	*
IBOGAMINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
INCANUMINE	--	*
INFLEXIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
INGENOL-3,20-DIBENZOATE	130-360 ppb	*
INOTODIOL	--	*
INSULARINE-DIMETHIODIDE	>30	*
ISOACTEOSIDE	ED50=10 ug/ml	*
ISOALANTOLACTONE	50 ppm	*
ISOANNONACIN	9PS ED50=3 ppm	Rupprecht, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, <i>J. Nat. Prod.</i> , 53(2), 1990, 237-238.
ISOANNONACIN-10-ONE	9PS ED50=0.5 ppm	Rupprecht, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, <i>J. Nat. Prod.</i> , 53(2), 1990, 237-238.
ISOBORREVERINE	3-6ug/ml	*
ISOBUTYRYLMALLOTOCHROMANOL	6.9 ppm	*

Chemical	Dosage	References
ISOBUTYRYL MALLOTOCHROMENE	3.68 ppm	*
ISOBUTYRYL MALLOTOJAPONIN	340 ppb	*
ISOBUTYRYL MALLOTOLERIN	2450 ppb	*
ISOCHAMANETIN	2.4 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
ISODOMEDONE	--	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
ISOEUGENOL	25 ug/ml	Laekeman, G.M., Van Hoof, L., Haemers, A., Vanden Berghe, D.A., Herman, A.G., and Vlietinck, A.J. Eugenol a Valuable Compound for In Vitro Experimental Research and Worthwhile for Further In Vivo Investigation. <i>Phytotherapy Research</i> 4(3): 93, 1990.
ISOGAILLARDIN	1.6 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
ISOLIENSININE	16 ppm	*
ISOMALLOTELERIN	ED50=0.84 ug/ml	*
ISOMALLOTOCHROMAN	8800 ppb	*
ISOMALLOTOCHROMANOL	ED50=>20 ug/ml	*
ISOMALLOTOCHROMANOL	2640 ppb	*
ISOMALLOTOCHROMENE	285 ppb	*
ISOPSYCHOTRIDINE	--	*
ISOPSYCHOTRIDINE-D	EC100=1.5uM	*
ISOROLLINICIN	9PS ED50=0.01 ppm	Rupprecht, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, <i>J. Nat. Prod.</i> 53(2), 1990, 237-238.
ISOUVARETIN	1.9 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
ISOXANTHOHUMOL	--	*
IVALIN	ED50=0.7 ppm	*
JACARANONE	ED50=2	*
JATROPHAM	--	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
JATROPHONE	0.17	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
JUNCUSOL	ED50=0.3	*
JUSTICIDIN	ED50=< 1ug/ml	*
JUSTICIDIN-A	<1 ug/ml	*
KAEMPFEROL	--	*
KHASIANINE	ED50=8.60	*
KOENOLINE	--	*
LACTUCIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.
LAPACHOL	ED50=4.4 ug/ml	*
LARICIRESINOL	--	*
LAUROTETANINE	--	Tucker, A. O. and Debaggio, T. 2000. <i>The Big Book of Herbs.</i> Interweave Press, Inc. Loveland, CO. 688 pp.
LEACHIANONE-A	--	Kang, T., Jeong, S., Ko, W., Kim, N., Lee, B., Inagaki, M., Miyamoto, T., Higuchi, R., Kim, Y. 2000. Cytotoxic Lavandulyl Flavanones from <i>Sphora flavescens</i> . <i>J. Natural Products</i> , 63(5): 680-681.
LIATRIN	2-5 ppm	*
LICOCHALCONE-A	--	*
LINALOOL	--	*
LIPIFEROLIDE	--	*

Chemical	Dosage	References
LIRIODENDRIN	ED50=2.4-30 ug/ml	*
LIRIODENINE	--	*
LUCIDIN-METHYL-ETHER	ED50(KB)=0.62 ug/ml	*
LUNASINE	--	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp.
LUNINE	--	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp.
LUPEOL	50-500 ppm	*
LUTEOLIN	1-50 uM	*
LYCORICIDINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
LYCORINE	--	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
MACROCALIN-B	IC50=1.6-8.1 ug/ml	Hou, A., Li, M., Jiang, B., Lin, Z., Ji, S., Zhou, Y., Sun, H. 2000. New 7,20:14,20-Diepoxy ent-Kauranoids from Isodon xerophilus. <i>J. Natural Products</i> , 63(5): 599-601.
MALLOPHENONE	14.8 ppm	*
MALLOTOCROMAN	49.1 ppm	*
MALLOTOCROMANOL	25.2 ppm	*
MALLOTOJAPONIN	365 ppb	*
MALLOTOLERIN	470 ppb	*
MALLOTOPHENONE	25.2 ppm	*
MAQUIROSID-E-A	--	*
MEDICARPIN	100 ug/ml	*
MELODORINOL	ED50=1.99-5.89 ug/ml	*
MELODORINOL-ACETATE	ED50=1.96-4.21 ug/ml	*
METHYL-P-COUMARATE	800 mg/kg	*
MEXICANIN-I	ED50=0.3-1.8 ppm	*
MEZEREIN	--	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
MICROHELENIN-A	2.5 ppm	*
MICROMELIN	ED50=48	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp.
MIKANOLIDE	<1 ppm	*
MITROXANTHONE	IC50=0.02-1.54 ug/ml	Hou, A., Li, M., Jiang, B., Lin, Z., Ji, S., Zhou, Y., Sun, H. 2000. New 7,20:14,20-Diepoxy ent-Kauranoids from Isodon xerophilus. <i>J. Natural Products</i> , 63(5): 599-601.
MOLEPHANTIN	ED50=0.33 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
MOLEPHANTININ	ED50=2.5 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
MONTANIN	ED50=0.06	*
MULTIRADIATIN	20-120 ppb	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
N,N-BISNORAROMOLINE	ED50=3.9	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp.
N-(3,4,5-TRIMETHOXYCINNAMOYL)-DELTA-3-PYRIDIN-2-ONE	ED50=0.45-1.8ug/ml PM56(6):52	*
N-(3,4-DIMETHOXYCINNAMOYL)-DELTA-3-PYRIDIN-2-ONE	0.86-3.23 ug/ml	*
N-(3-METHOXY-4,5-METHYLENEDIOXYCINNAMOYL)-DELTA-3-PYRIDIN-2-ONE	ED50=0.4-2.6ug/ml	*

Chemical	Dosage	References
N-(3-METHOXY-4,5-METHYLENEDIOXYDIHYDROCINNAMOYL)-DELTA-3-PYRIDIN-2-ONE	ED50=2.5ug/ml	*
NEOJUSTICIN-B	4 ppm	*
NERIIFOLIN	9KB ED50=0.022 ppm	Alkofahi, A., Rupprecht, J. K., Anderson, J. E., McLaughlin, J. L., Mikolajczak, K. L., and Scott, B. A., Search for new pesticides from higher plants, Chap. 3 in ???, Arnason et al, eds, ACS, Washington, 1989
NIMBININ	ED50=7.13 ug/mL	*
NIMBOLIDE	ED50=10.14 ug/mL	*
NIVEUSIN	--	Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
NIVEUSIN-C	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
NORCASSAIDIDE	ED50=18 ppm	*
NORCASSAMIDINE	--	*
NORDIHYDROGUAIARETIC-ACID	--	*
NORERYTHROSTACHAMINE	--	*
O-ACETYLCPHOLOPHINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
O-METHYL-DAURICINE	11 ppm	*
O-METHYL-PISIFERIC-ACID	--	*
OXOUSHINSUNINE	--	*
OXYACANTHINE	>30	*
OXYAYANIN-A	ED50=2 ug/ml	Arisawa, M., Hayashi, T., Shimizu, M., Morita, N., Bai, H., Kuze, S., and Ito, Y. Isolation And Cytotoxicity Of Two New Flavonoids From Chrysosplenium grayanum And Related Flavonols. <i>J. Natural Products</i> , 54(3): 898-901, 1991.
P-COUMARIC-ACID	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
P-METHOXYCINNAMIC-ACID-ETHYL-ESTER	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
PANAXACOL	--	*
Panaxydol	ED50=0.02-16.4 ug/ml	*
PANAXYNOL	ED50=0.03-32.1 ug/ml	*
PANAXYTRIOL	ED50=0.17->70 ug/ml	*
PARTHENIN	25 ppb	*
PARTHENOLIDE	2.3 ppm	*
PAUCIN	--	*
PENSTEMIDE	50 mg/kg	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
PHANTOMOLIN	ED50=0.66 ppm	*
PHYLLANTHOCIN	10 ppb	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
PHYLLANTHOSIDE	6-24 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
PINNATIFIDIN	1.7 ppm	*
PINOCEMBRIN	ED50=21	*
PIPERADUNCIN-A	ED50=<4 ug/ml	*
PIPLARTINE	ED50=0.45-1.8ug/ml	*
PIPLARTINE-DIMER-A	ED50=2.2-3.9ug/ml	*
PISIFERIC-ACID	--	*

Chemical	Dosage	References
PLENOLIN	ED50=0.8	*
PLUMBAGIN	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
PLUMERICINE	ED50=0.1-2.8ug/ml	*
PODOLIDE	--	*
PROVINCIALIN	ED50=3-4	*
PSDEUDOLARIC-ACID-B	ED50=0.2-0.66 ug/ml	*
PSEUDOIVALIN	ED50=1.8 ppm	*
PSEUDOLARIC-ACID-A	ED50=0.3-0.6 ug/ml	*
PSILOSTACHYIN-A	5-6 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
PSORALEN	ED50=2-30 ug/ml	*
PSYCHOTRIDINE	EC100=>1.5uM	*
PTAEROGLYCOL	--	*
PTEROPODINE	--	*
PTEROSTILBENE	--	*
PULCHELLIN	ED50=1-2 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
PULVEROCHROMENOL	--	*
PUNICIC-ACID	--	*
QUADRIGEMINE	EC100=8uM	*
QUADRIGENIN	--	*
QUASSIMARIN	1-4,000 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
QUERCETAGETIN-6,7,3',4'-TETRAMETHYLETHER	--	*
QUERCETIN	ED50=70 ug/ml	Matsukawa, Y., et al. The Effect of Quercetin and Other Flavonoids on Cell Cycle Progression and Growth of Human Gastric Cancer Cells. <i>Planta Medica</i> , 56(6): 677, 1990.
QUERCETIN	IC82=100 ug/ml	<i>Planta Medica</i> , 57: A113, 1991.
QUINICINE	IC50=3.2 ug/ml	Vlietinck, A.J. and Dommisse, R.A. eds. 1985. Advances in Medicinal Plant Research. Wiss. Verlag. Stuttgart.
QUINIDINONE	IC50=17.7 ug/ml	Vlietinck, A.J. and Dommisse, R.A. eds. 1985. Advances in Medicinal Plant Research. Wiss. Verlag. Stuttgart.
QUININE	IC50=183 ug/ml	Vlietinck, A.J. and Dommisse, R.A. eds. 1985. Advances in Medicinal Plant Research. Wiss. Verlag. Stuttgart.
RADIATIN	0.39 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
RETUSIN	ED50=>25 ug/ml	Arisawa, M., Hayashi, T., Shimizu, M., Morita, N., Bai, H., Kuze, S., and Ito, Y. Isolation And Cytotoxicity Of Two New Flavonoids From <i>Chrysosplenium grayanum</i> And Related Flavonols. <i>J. Natural Products</i> , 54(3): 898-901, 1991.
RHEIN	CD50=3.4 ug/ml	*
RHOEADINE	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
ROUSTAFLAVONE-4'-METHYL-ETHER	--	Lin, L., Kuo, Y., Chou, C. 2000. Cytotoxic Bisflavonoids from <i>Selaginella delicatula</i> . <i>J. Natural Products</i> , 63(5): 627-630.
ROLLINIASTATIN-1	9PS ED50=0.000045 ppm	Rupprect, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, <i>J. Nat. Prod</i> , 53(2), 1990, 237-238.
ROLLINIASTATIN-2	9PS ED50=0.00023 ppm	Rupprect, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, <i>J. Nat. Prod</i> , 53(2), 1990, 237-238.
ROLLINICIN	9PS ED50=0.000000029 ppm	Rupprect, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, <i>J. Nat. Prod</i> , 53(2), 1990, 237-238.

Chemical	Dosage	References
ROLLINONE	9PS ED50=<0.00001 ppm	Rupprecht, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, <i>J. Nat. Prod.</i> , 53(2), 1990, 237-238.
ROSMARINIC-ACID	TC50=100-150 ug/ml	*
RUBROFUSARIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
RUTAMARIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
SAMADERIN	--	*
SANTAMARIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
SCHKUHRIN-I	--	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
SCHKUHRIN-II	--	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
SCOPADULCIC-ACID-B	ID50=0.9 uM	*
SCOPOLETIN	--	*
SERGEOLIDE	--	*
SESELIDIOL	ED50=1-10ug/ml	*
SIPHONODIN	--	*
SIPHONOSIDE	--	*
SKULLCAPFLAVONE-II	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
SOLAMARGINE	ED50=1.53 ug/ml	*
SOLANINE	--	Iwu, M.M. 1993. Handbook of African Medicinal Plants. CRC Press, Boca Raton, FL 435 pp.
SOLASODINE	ED50=3.75 ug/ml	*
SOPHORAFLAVANONE-G	--	Kang, T., Jeong, S., Ko, W., Kim, N., Lee, B., Inagaki, M., Miyamoto, T., Higuchi, R., Kim, Y. 2000. Cytotoxic Lavandulyl Flavanones from <i>Sphora flavescens</i> . <i>J. Natural Products</i> , 63(5): 680-681.
SPICATIN	--	*
SPRUCEANOL	ED50=3.2	*
SQUAMOCIN	L-1210 ED50=0.58 ppm	Rupprecht, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, <i>J. Nat. Prod.</i> , 53(2), 1990, 237-238.
SQUAMONE	HT-29 ED50=2.98 ppm	Rupprecht, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, <i>J. Nat. Prod.</i> , 53(2), 1990, 237-238.
STEBIMISIMINE	16 ppm	*
STEMODIN	CD50=0.04 mg/ml	*
SYLVATICIN	9KB ED50=<0.001 ppm	Rupprecht, J. K., Hui, Y. H., and McLaughlin, J. L., Annonaceous acetogenins: a review, <i>J. Nat. Prod.</i> , 53(2), 1990, 237-238.
TAGITIN-F	ED50=12-50	*
TAMAULIPIN-A	1.3-2.6 ppm	*
TAMAULIPIN-B	1.3-2.6 ppm	*
TANNIC-ACID	15 ug	*
TASPINE	250 ng/ml	*
TAXODIONE	3-50 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
TAXODONE	1.8-25 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
TENULIN	ED50{KB}=26	*
TEPHROSIN	--	*
TETRAMETHYLMAGNOLAMINE	ED50=13	Biosyn. Prod. Cancer Chemotherapy (Petit et al)

Chemical	Dosage	References
TETRANDRINE-DIMETHIODIDE	>30	*
THALICBERINE	ED50=13	*
TRICHOKAURIN	--	*
TRIPDIOLIDE	1 ppm	*
TRIPTOLIDE	1 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
TUBULOSINE	--	*
TULIPINOLIDE	ED50=0.46	*
UNCARINE-C	ED50=24	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp.
UNCARINE-D	ED50=36	Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp.
URSOLIC-ACID	ED50=3.75 ug/ml	*
URSOLIC-ACID	50 ppm	*
URSOLIC-ACID	7.2 uM	*
UVAOL	100-200 ppm	*
UVARETIN	10 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
UZARIGENIN	--	*
VALEPOTRIATES	--	Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
VALTRATE	--	*
VATAMIDINE	micromolar	*
VATAMINE	micromolar	*
VATINE	1.5uM	*
VATINE-A	micromolar	*
VERBASCOSIDE	ED50=2.6 ug/ml	*
VERNODALIN	ED50=1.8	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
VERNOLIDE	2 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
VERNOMENIN	ED50=5-20 ppm	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
VERNOMYGDIN	ED50=1.5	Biosyn. Prod. Cancer Chemotherapy (Petit et al)
VULGARIN	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
WARBURGANAL	10 ppb	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.
WITHAFERIN-A	ED50=0.28-40	*
XANTHOMICROL	--	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
XANTHOTOXIN	ED50=7-29 ug/ml	Saqib, Q. N., Hui, Y. H., Anderson, J. E. and McLaughlin, J. L. 1990. Bioactive Furanocoumarins from the Berries of <i>Zanthoxylum americanum</i> . <i>Phytotherapy Research</i> 4(6): 216-219.
XANTHOTOXOL	--	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
XEROPHILUSIN-A	IC50=0.12-2.22 ug/ml	Hou, A., Li, M, Jiang, B., Lin, Z., Ji, S., Zhou, Y., Sun, H. 2000. New 7,20:14,20-Diepoxy ent-Kauranoids from Isodon xerophilus. <i>J. Natural Products</i> , 63(5): 599-601.
XEROPHILUSIN-B	IC50=0.17-0.73 ug/ml	Hou, A., Li, M, Jiang, B., Lin, Z., Ji, S., Zhou, Y., Sun, H. 2000. New 7,20:14,20-Diepoxy ent-Kauranoids from Isodon xerophilus. <i>J. Natural Products</i> , 63(5): 599-601.
ZINIOLIDE	--	*